

Toronto, ON – Lowes (Hwy 401 & Islington Ave.)

TERRAFIX CASE STUDY

Toronto, ON – Lowes (Hwy401 & Islington Ave.)

INSTALLATION DATE

Fall 2012

PROJECT ENGINEER

Counterpoint

CONTRACTOR

Coco Paving Inc.

CHALLENGE

Two access ramps for a newly constructed stormwater management pond were required to permit access for future maintenance.

SOLUTION

Panels of FLEXICRETE[®], a series of articulated concrete blocks connected by a galvanized mesh, were installed.

PROJECT OVERVIEW

Approximately 200sqm (23 panels) of FLEXICRETE[®] were installed for a couple of stormwater management pond access ramps. With only two men, an excavator and a custom-made spreader bar (provided by Terrafix), all panels were installed in less than a couple of days. Prior to placing the panels, the contractor placed and compacted the granular base, followed by placing a non-woven geotextile on top.

FLEXICRETE[®] is a system of solid concrete blocks connected together to form continuous inter-connected areas. Concrete strength used is 30MPa or higher in accordance with Canadian Standards CSA A23. Galvanized mesh reinforcement wires (8 gauge) are cast into the blocks.

The standard block size is 400mm × 400mm × 80mm in panels 3.6 metre long × 2.4 metre wide. A standard block weighs 27 kg. Panel weight is 168 kg/m². A standard 3.6 metre × 2.4 metre panel, weighs 1.45 Tonnes.





Setting up alignment of panels



Attaching the lifting loops to the spreader bar



Installing panels beside each other



View from the south ramp



Filter fabric over compacted granular base



View from the north ramp



View of both ramps



Panoramic view

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What's new and exciting at Terrafix Geosynthetics?

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Lunch and Learn



Lunch & Learn

Terrafix offers a project specific approach to solving your erosion & sediment and stormwater management solutions.

We offer detailed assistance from the design stage to onsite support. With a professional staff of experienced engineers and specialists, we are available to assist designers and clients in selecting cost effective solutions.

If you are interested in an office Lunch & Learn, please contact our office at (416)674-0363, ext. 241.

Additional Information

Additional Information?

For stormwater and erosion control challenges, please call us at 416-674-0363, ext. 241 or e-mail jjbreede@terrafixgeo.com

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